

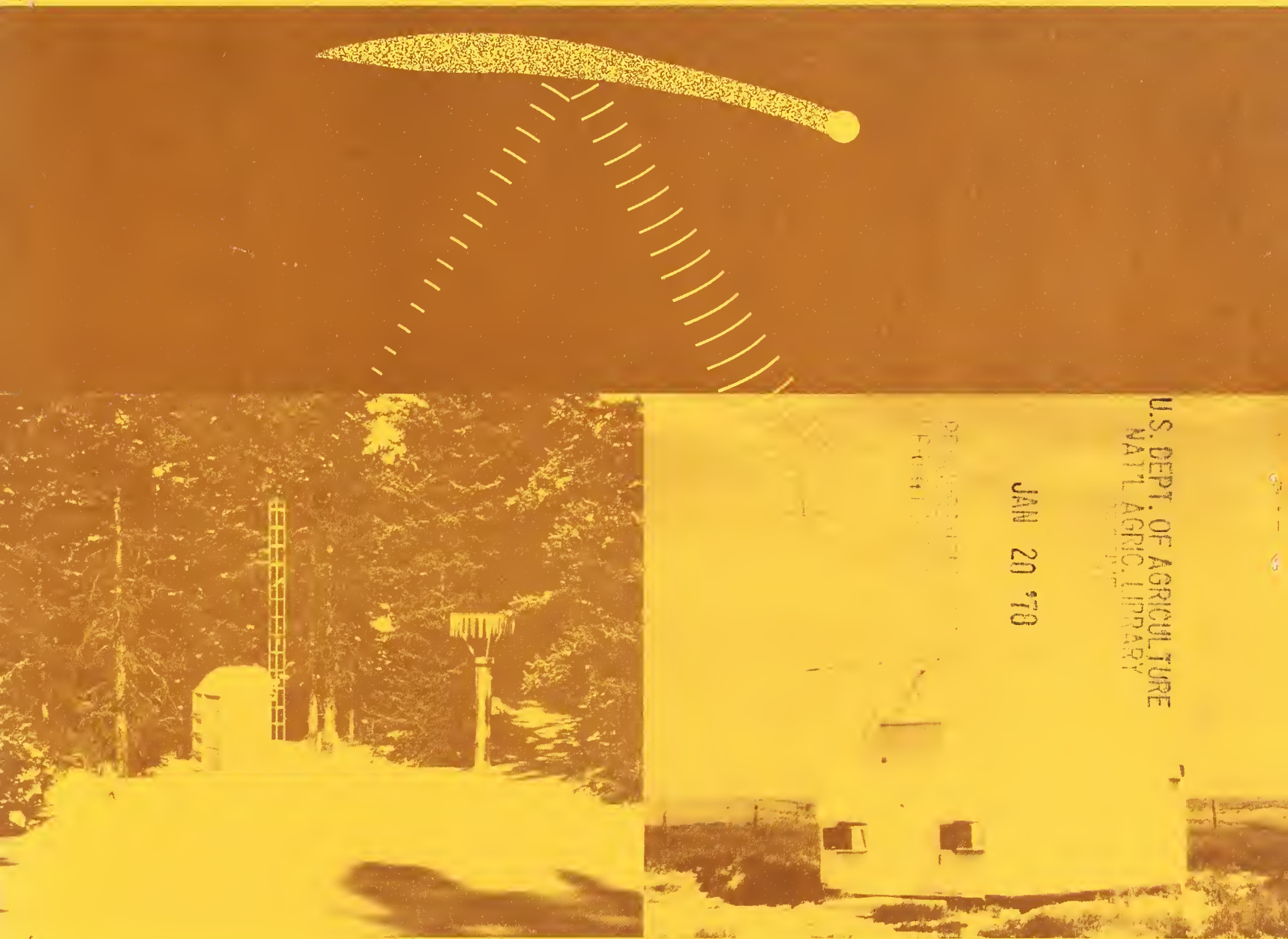
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# **WATER SUPPLY OUTLOOK FOR UTAH**



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**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES  
-- DIVISION OF WATER RIGHTS**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**JAN. 1, 1978**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.*

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.





# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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# WATER SUPPLY OUTLOOK

as of  
JANUARY 1, 1978

\* \* \* \* \*  
\* Utah's 1978 water supply outlook ranges from near average \*  
\* in the northern half of the state to poor in the southern \*  
\* half. Snow cover is generally above average in the north \*  
\* and less than half average in the south. Watershed soil \*  
\* moisture is near average in the northern mountains and well \*  
\* below average in the southern mountains. Storage in 23 \*  
\* irrigation reservoirs is 88% of average, but 25% less than \*  
\* a year ago. \*  
\* \* \* \* \*

## SNOW COVER

Snow surveys taken the last week of December and the first week to ten days of January indicate average to above average water contents in the northern half of the state and generally well below average again this year in southern Utah. January 1 is very early to make an accurate assessment of conditions, since the next three months normally produce significant increases to the snow pack.

Measurements in northern Utah range from about average on the San Pitch River to as high as 190% of average at Tony Grove Ranger Station on the Logan River. Snow water contents along the Salt Lake front range from 97% of average at Silver Lake to 108% at Parley's Summit. Water contents on the Upper Weber and Provo Rivers range from 88% of average on Smith & Morehouse to 144% at Trial Lake and 156% at Soapstone. Strawberry River ranges from 119% at Daniels Summit to 159% at East Portal. Price River ranges from 96% to 127% of the January 1 average and San Pitch snow water contents ranged from 83% at Beaver Dams to 113% at GBRC Meadows.

Snow surveys made in southern Utah had water contents ranging from 85-89% on Salina Creek to 26-31% on the East Fork Sevier and 46-103% on the South Fork Sevier. The 103% of average is a low elevation measurement at Harris Flat and not representative of the higher water producing areas which range from 46-69% of the January 1 average. Parowan Creek is 44% and Pine Creek near Fillmore 26% of the January 1 average snow water content. Uintah Basin measurements have been delayed by poor flying weather.

## PRECIPITATION

Fall precipitation in Utah's mountains was very similar to the snow cover with the northern half of the state generally average to near twice average except for the east end of the Uintahs which was only about half average for the October through December period. The southern half of the state ranged generally in the 45-70% of average range with only a few sites near average. Watershed soils are expected to be near average in northern Utah and below average in southern Utah.

# WATER SUPPLY OUTLOOK (continued)

## RESERVOIR STORAGE

January 1 storage in 23 of Utah's irrigation reservoirs is 88% of average and 25% less than last year at this time.

Reservoirs on Bear River range from 6% of average in Woodruff Narrows, to 81% for Bear Lake. Hyrum and Porcupine on the Little Bear are 110% and 71% of average respectively.

Ogden River reservoirs are near average with Pineview 95% and Causey 90% of the January 1 average.

Weber River reservoirs range from 62% of average at Rockport to 111% at Echo. Willard Bay and East Canyon are 102% and Lost Creek is 75% of average.

Deer Creek reservoir is 71% of average and Utah Lake is 108% of the January 1 average. Strawberry Reservoir is 124% of average.

Sevier River reservoirs range from 32% at Piute to 83% at Sevier Bridge with Otter Creek at 52% of average. Gunnison Reservoir on the San Pitch is only 6% of the January 1 average.

Uintah Basin reservoirs now have 32% of the January 1 average in Steinaker and 59% of average storage in Moon Lake.

Scofield Reservoir has 62% of the January 1 average and Joe's Valley has 111% of its average for January 1.

Most reservoirs in northern Utah should fill this year if at least average storm conditions prevail this spring. Reservoirs in southern Utah are not expected to fill unless much above average storm conditions occur during the January through April period.

## STREAMFLOW

Streamflow on key streams over the state has been below average for the October-December period and the Great Salt Lake reached a seasonal low of 4198.60 feet on December 1 according to the U.S. Geological Survey.

Streamflow forecasts will be published beginning in the February 1, Water Supply Outlook for Utah report.



## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

January 1, 1978

January 1, 1978					
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage:		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	764.0	1059.0	944.4
	Woodruff Narrows	26.5	1.2	1.1	19.8b
	Birch Creek	2.2	0.4	--	--
	Woodruff Creek	4.0	0.7	--	--
<u>Beaver River</u>	Minersville (RkyFd)	23.3	3.3	5.8	9.6
<u>Little Bear</u>	Hyrum	15.3	10.1	10.2	9.2
	Porcupine	11.3	2.2	2.8	3.1b
<u>Ogden</u>	Causey	6.9	1.9	0.8	2.1b
	Pineview	110.1	36.2	52.4	38.2
<u>Provo</u>	Deer Creek	149.7	69.0 <sup>e</sup>	80.5	95.3
<u>Settlement Creek</u>	Settlement Creek	1.2	0.3	--	--
	Vernon Creek		0.2 <sup>e</sup>	--	--
<u>Sevier River</u>	Gunnison	18.2	0.5	7.0	7.7
	Otter Creek	52.5	11.5	23.6	21.9
	Piute	71.8	9.6	13.7	29.8
	Sevier Bridge	236.0	58.3	94.7	70.1
<u>Spanish Fork</u>	Strawberry	270.0	137.9	202.6	110.9
<u>Utah Lake</u>	Utah Lake	883.9	558.9	687.5	519.7
<u>Weber</u>	East Canyon	48.1	18.5	29.0	17.6
	Echo	73.9	39.0	37.9	35.3
	Lost Creek	20.0	9.1	12.7	12.0b
	Rockport	60.9	19.3	27.4	30.1
	Willard Bay	193.3	104.9	137.9	102.6b
COLORADO RIVER BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	5.7	18.2	21.3
<u>Colorado</u>	Blue Mesa	829.5	235.3	478.3	--
	Lake Powell	25002.0	15363.0	18477.0	--
<u>Green</u>	Flaming Gorge	3749.0	1990.7	3129.3	--
<u>Lakefork</u>	Moon Lake	35.8	8.6	4.9	14.5
<u>Price River</u>	Scofield	65.8	17.3	29.3	27.8
<u>San Juan</u>	Navajo	1696.0	977.9	1205.0	--
<u>San Rafael</u>	Huntington North	3.9	1.8	1.9	1.5 b
	Joe's Valley	54.6	33.0	36.3	29.8b
	Mill Site	16.7	0.3	1.3	--
<u>Strawberry</u>	Starvation	165.3	131.7	136.8	--
<u>Uintah</u>	Bottle Hollow	11.3	10.0	10.5	--

e= Estimated



## SNOW

SNOW	THIS YEAR					PAST RECORD		PRECIPITATION (Inches)			January 1, 1978		
	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE			
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
NAME													
GREAT BASIN													
UPPER BEAR RIVER (Above Harer, Idaho)													
Burts-Miller Ranch	12/27	11	2.2	0.3	- -	12/27	- -	- -	3.79	3.35b	113		
CCC Camp	12/29	34	9.4	0.8	4.9								
Hayden Fork	12/27	36	8.9	1.0	- -	12/27	- -	- -	11.91	6.00b	198		
Monte Cristo R.S.	1/9	48	15.6	0.6	- -	1/9	- -	- -	16.41	7.92b	207		
Salt River Summit	12/29	43	11.2	0.9	- -	12/29	7.00	- -	11.87	7.04	169		
Stillwater Camp	12/27	25	5.5	0.5	- -	12/27	- -	- -	7.01	2.96	237		
LOWER BEAR RIVER (Below Harer, Idaho)													
Cub River R.S.	1/4	23	6.0	0.0	- -								
Emigrant Summit	1/3	62	17.1	0.8	9.6								
Franklin Basin (Pillow)	1/9	71	22.5	0.8	- -								
Garden City Summit	12/30	42	11.0	0.4	7.5a	12/30	- -	- -	14.70a	8.82b	167		
Klondike Narrows	1/9	54	17.3	0.0	7.6b	1/9	- -	- -	17.80e	8.87b	201		
Little Bear (lower)	1/9	27	6.1	0.0	- -								
Little Bear (upper)	1/9	28	6.4	0.0	- -								
Slug Creek Divide	12/27	39	10.4	3.3	- -								
Steep Hollow #1	Not Measured			1.2	14.8b								
Steep Hollow #2	Not Measured			0.0	9.6b								
Tony Grove Lake	1/9	97	32.2	0.6	- -								
Tony Grove R.S.	12/30	39	9.0	0.0	4.6	12/30	- -	- -	14.38	8.73a	165		
Willow Flat	1/4	39	10.6	0.0	- -	1/4	10.09	- -	18.90	10.05b	188		
Worm Creek	Not Measured												
OGDEN RIVER													
Beaver Creek-Skunk Creek	1/5	23	7.2	0.0	- -								
Ben Lomond Peak	1/9	63	18.9	0.2	13.7b								
Ben Lomond (lower)	1/4	29	8.0	0.0	5.5	1/4	- -	- -	14.67	11.36	129		
Causey Dam						1/5	- -	- -	6.88	6.49b	106		
Cutler Creek	Not Measured			0.0	9.9b								
Dry Bread Pond	1/5	37	12.0	0.0	- -								
Sagebrush Flat	1/5	14	2.4	0.0	- -	1/5	- -	- -	8.20	4.86	169		
WEBER RIVER													
Beaver Creek R.S.	1/5	22	5.1	0.0	3.7								
Chalk Creek #1	12/27	44	11.6	1.8	- -								
Chalk Creek #2	12/27	28	5.7	1.5	- -								
Chalk Creek #3	12/27	14	3.3	0.2	- -	12/27	- -	- -	7.40	- -	- -		
Farmington Canyon (lower)	1/9	36	9.3	0.0	8.6b	1/9	8.55	- -	13.60	- -	- -		
Farmington Canyon (upper)	1/9	47	13.8	0.4	11.9b								
Farmington G.S.						1/9	9.90	- -	15.70	- -	- -		
Horse Ridge	1/9	46	13.8	0.1	- -	1/9	- -	- -	15.87	8.96b	177		
Kilfoil Creek	Not Measured			0.0	- -								
Lost Creek Reservoir	1/9	15	3.3	0.0	- -	1/9	- -	- -	6.32	3.87b	163		
Park City Summit	12/30	34	10.1	- -	- -								
Parley's Canyon Summit	12/28	29	8.1	0.4	7.5	12/28	- -	- -	11.23	10.22	110		
Redden Mine (lower)	Not Measured			0.5	- -								
Redden Mine (upper)	Not Measured												
Smith & Morehouse	12/27	23	5.6	0.5	6.4b	12/27	- -	- -	9.50	8.36	114		
PROVO RIVER & UTAH LAKE													
Beaver Creek Divide	1/5	33	8.0	0.2	- -								
Camp Altamont	12/27	18	5.2	0.3	6.4								
Clear Creek Ridge #1	1/4	36	9.3	1.2	- -								
Clear Creek Ridge #2	1/4	28	6.8	0.8	- -	1/4	- -	- -	9.45	- -	- -		
Clear Creek Ridge #3	1/4	18	4.7	0.3	- -								
Dutchman R.S.	12/27	28	7.7	0.2	- -	12/27	- -	- -	11.05	8.27b	134		
Hobble Creek Summit	12/27	27	5.9	0.2	- -	12/27	- -	- -	6.40	- -	- -		
Packard Canyon	12/27	13	2.9	0.3	- -								
Payson R.S.	1/4	24	5.5	1.9	7.0	1/4	- -	- -	7.60	8.21	93		
Rock Bridge	1/4	16	3.4	1.5	4.8								
Soapstone R.S.	1/5	32	8.1	0.1	5.2	1/5	- -	- -	9.97	7.06	141		
South Fork R.S.	1/5	13	3.2	0.1	2.4								
Timpanogos Cave Camp	1/5	1	0.2	0.0	0.9								
Timpanogos Divide	12/27	28	7.7	0.3	10.5	12/30	5.70	- -	11.70	11.98	98		
Trial Lake	1/5	60	15.1	0.5	10.5	1/5	- -	- -	14.80	10.07	147		

# SNOW

# PRECIPITATION (Inches)

January 1, 1978

SNOW	THIS YEAR				PAST RECORD		PRECIPITATION (Inches)			January 1, 1978		
	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME												
JORDAN RIVER & GREAT SALT LAKE												
Bevans Cabin	Not Measured											
Lamb's Canyon #2	12/28	24	7.2	0.2	--	12/28	--	--	9.78	--	--	--
Middle Canyon	12/29	7	2.2	1.8	5.7	12/29	2.50	--	--	7.28b	--	--
Mill Creek	12/28	26	7.0	0.8	--							
Mill D South Fork	12/29	24	7.4	0.4	7.3							
Mt. Dell Dam						12/30	2.44	--	6.34	6.56	97	
Silver Lake (Brighton)	12/29	34	9.6	0.3	9.9	12/30	6.66	4.80	12.52	12.44	101	
Snow Bird (Gad Valley)	1/8	72	22.0	--	--							
Vernon Creek	12/29	7	1.8	0.0	--	12/29	2.20	--	3.50	--	--	--
UPPER SEVIER RIVER (South of Richfield, Utah)												
Box Creek	1/5	19	3.5	1.9	--	1/5	--	--	5.78	--	--	--
Bryce Canyon	12/29	6	0.5	0.0	1.9							
Castle Valley	1/3	11	3.3	0.6	--	1/3	--	--	3.35	4.68	72	
Duck Creek R.S.	1/3	16	3.6	0.0	5.2	1/3	--	--	4.40	8.37	53	
Farview	12/29	8	1.0	0.0	--							
Harris Flat	1/3	12	4.0	0.0	3.9							
Kimberly Mine	1/5	22	4.9	3.2	5.5b	1/5	--	--	7.05	7.46	95	
Midway Valley	1/3	18	4.1	1.0	8.9	1/3	--	--	4.25	--	--	--
Panguitch Lake	1/3	6	1.0	0.0	--	1/3	--	--	2.00	2.87	70	
Rainbow Point	12/29	9	1.4	0.0	--							
Squaw Springs	1/5	12	2.2	0.7	--							
LOWER SEVIER RIVER (Including San Pitch River)												
Beaver Dams	1/4	19	3.9	1.6	4.2b	1/4	--	--	6.17	5.42	114	
Farnsworth Lake	1/5	28	6.6	3.5	7.3	1/5	--	--	7.85	8.22	95	
G.B.R.C. Headquarters	1/3	25	5.7	2.3	6.4	1/3	4.00	3.10	9.05	8.00	113	
G.B.R.C. Majors						1/3	1.32	1.80	4.27	4.60	93	
G.B.R.C. Meadows	1/3	33	9.7	3.0	8.6	1/3	4.95	3.80	10.95	9.90	111	
G.B.R.C. Oaks						1/3	1.69	2.00	5.35	5.40	99	
Gooseberry R.S.	1/5	18	3.9	1.7	4.6	1/5	--	--	6.45	7.99	81	
Mammoth-Cottonwood Creek	1/4	38	11.1	0.2	8.0b	1/4	--	--	12.53	8.09b	155	
Middle Fork	Not Measured				--							
Mt. Baldy R.S.	1/4	40	9.0	2.3	8.8b	1/4	--	--	8.00	8.24b	97	
Oak Creek	12/28	12	2.7	--	--	12/28	--	--	4.35	--	--	--
Pickle Keg Springs	1/4	29	7.0	2.4	--							
Pine Creek	1/5	21	4.4	3.9	--	1/5	--	--	7.75	--	--	--
Ree's Flat	1/4	22	4.9	1.2	--	1/4	--	--	6.95	--	--	--
Shingle Mill	12/28	3	1.0	--	3.8b	12/28	--	--	3.28	6.31	52	
Thistle Flat	Not Measured			2.2	--							
BEAVER RIVER												
Beaver Race Track	12/28	0	0.0	0.0	--							
Beaver Canyon Power House						12/30	1.61	--	3.37	4.12	82	
Big Flat	1/5	25	4.8	1.7	--	1/5	--	--	4.78	4.86	98	
Merchant's Valley (upper)	1/5	18	3.6	1.4	--	1/5	--	--	5.95	4.26a	140	
Otter Lake	1/5	18	3.0	1.1	--							
PAROWAN CREEK												
Birch Crossing	12/28	4	0.9	0.1	--							
Brian Head	12/30	20	4.2	2.2	9.5a							
Ed Ward Flat	12/30	7	0.9	0.2	--							
Tall Poles	12/28	12	2.8	1.2	--	12/28	--	--	2.85	6.46a	44	
Yankee Reservoir	12/30	6	0.9	0.6	--	12/30	--	--	2.50	3.95	63	
ENTERPRISE TO NEW HARMONY DRAINAGES												
Little Grassy Creek	1/3	0	0.0	0.0	--	1/3	--	--	2.10	4.40	48	
Long Flat	1/3	9	2.1	0.0	--	1/3	--	--	3.35	3.48	96	
COAL CREEK												
Cedar City Golf Course	Not Measured			--	--							
SUSC Ranch	12/28	7	1.5	0.0	--							



## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						January 1, 1978		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE					
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average			
COLORADO RIVER DRAINAGE														
UPPER GREEN RIVER - UTAH														
Black's Fork G.S.-East Fork	Not Measured			0.8	--			--				5.54		
Black's Fork Junction	Not Measured			0.5	--			--				2.23b		
Burnt Creek	12/30	7	1.3	0.5	--	12/30	--	--	2.75			4.94b	56	
Dutch John Junction	12/30	7	1.4	--	--			--						
Grizzly Ridge	12/30	13	2.8	0.3	--	12/30	--	--	3.50			6.96b	50	
Hewinta G.S.	Not Measured			0.9	--			--				2.45		
Hickerson Park	Not Measured			1.0	--			--				2.59a		
Highline Trail	Not Measured			1.6	--			--				--		
King's Cabin (lower)	Not Measured			0.0	--			--						
King's Cabin (upper)	Not Measured			0.3	--			--				3.56b		
Spirit Lake	Not Measured			1.7	--			--				4.94b		
Steel Creek Park	Not Measured			2.1	--			--						
Trout Creek	Not Measured			0.8										
DUCHESNE RIVER														
Brown Duck Ridge	Not Measured			0.5	--									
Currant Creek	12/29	21	5.0	0.0	--	12/29	--	--	6.30	--	--			
Daniels-Strawberry Summit	12/27	27	7.0	0.0	5.9	12/27	--	--	10.43	8.13		128		
East Portal	12/30	26	7.0	0.0	4.4b	12/30	5.04	--	9.93	8.92b		111		
Indian Canyon	1/6	30	6.3	0.4	5.2	1/6	--	--	7.41	6.71b		110		
Jackson Park	Not Measured			0.3	--			--				--	--	
Lake Basin	Not Measured			0.2	--			--				--	--	
Lakefork Mountain	Not Measured			0.1	--			--				3.11		
Lakefork Mountain #2	Not Measured			--	--									
Lakefork Mountain #3	Not Measured			0.0	--									
Mosby Mountain	Not Measured			0.1	4.6			--				5.15a		
Paradise Park	Not Measured			0.0	5.8			--				8.30		
Rock Creek Ranch	Not Measured			0.1	--			--				2.18		
Strawberry Divide	12/30	36	9.9	0.0	7.4b									
PRICE RIVER														
Dry Valley Divide	12/29	21	5.2	0.3	4.2b									
Gooseberry Reservoir	1/4	34	9.8	0.1	7.2b	1/4	--	--	11.44	7.99		143		
Jones Ranch	12/29	11	2.5	0.0	2.6b									
Mud Creek	12/29	28	7.1	0.4	5.6	12/29	--	--	7.95	6.56		121		
White River #1	12/29	25	7.2	0.5	--	12/29	--	--	7.80	4.46		175		
White River #2	12/29	22	5.8	0.1	--									
White River #3	12/27	19	5.7	0.0	--									
SAN RAFAEL RIVER														
Buck Flat	1/3	30	8.0	0.5	--	1/3	--	--	9.75	5.68		172		
Huntington-Horseshoe	1/4	36	11.0	1.2	--									
Orange Olsen	12/29	6	1.0	0.0	--	12/29	--	--	2.55	2.81a		91		
Red Pine Ridge	12/29	25	7.2	0.5	--	12/29	--	--	10.83	6.32		171		
Rush Pond	1/3	27	6.1	0.5	--									
Seeley Creek R.S.	1/3	21	5.9	0.8	--									
Stuart R.S.	12/29	16	5.5	0.0	--	12/29	--	--	6.30	3.94		160		
Upper Joe's Valley	12/29	19	5.0	0.3	--									
Wrigley Creek	1/3	20	5.3	0.2	--									
MUDDY RIVER														
Black's Fork	1/3	24	5.9	0.5	--									
Dill's Camp	1/3	28	7.0	0.2	--	1/3	--	--	8.28	3.93a		211		
FREMONT RIVER														
Black's Flat-U.M. Creek	1/5	21	4.0	1.5	--	1/5	--	--	6.42	3.69		174		
Donkey Reservoir	Not Measured			--	--									
Fish Lake	1/5	12	2.0	0.6	--	1/5	--	--	4.70	2.56b		184		
Johnson Valley	1/5	14	2.7	0.7	--									

# SNOW

SNOW						PRECIPITATION (Inches)					
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
				Last Year	Average †						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	12/29	9	2.1	0.0	- -	12/29	- -	- -	3.32	7.43	45
Camp Jackson	12/29	6	1.2	0.0	- -	12/29	- -	- -	3.42	6.68b	51
LaSal Mountain (lower)	12/30	14	3.2	0.0	- -						
LaSal Mountain (upper)	12/30	22	4.8	0.0	- -	12/29	- -	- -	6.12	5.45	112
Monticello City Park	12/29	0	0.0	- -	- -						
ESCALANTE RIVER											
Widtsoe-Escalante Summit	12/27	7	1.1	0.0	3.1						
Widtsoe-Escalante #2	12/27	6	1.0	0.2	4.1						
Widtsoe-Escalante #3	12/27	10	1.6	0.6	5.1b	12/27	1.14	- -	3.39	6.56	52
VIRGIN RIVER											
Kolob-Crystal	1/3	18	3.9	1.4	- -						
Long Valley Junction	1/3	9	1.5	0.0	1.6						
Webster Flat	1/3	16	3.6	0.0	6.5	1/3	- -	- -	4.20	8.50	49
a - Partly Estimated b - Average of all past record - less than 15 years + - 1958-72 15 year average period (A) - Aerial Marker Reading											





INDEX TO UTAH, BEAR & UPPER COLORADOC RIVER BASINS

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (above Harer, Idaho)

NO	STATE	NAME	SEC	TWP	RGE	ELEV	NO	STATE	NAME	SEC	TWP	RGE	LLEV	NO	STATE	NAME	SEC	TWP	RGE	LLEV
10G11	W	Big Park	7	27N	117W	8,700	11J41P	U	Lamb's Canyon #2	21	1S	3E	7,400	9J12ap	U	Windy Park	1	1S	20E	9,400
10G6P	W	Burt's-Miller Ranch	19	29N	10E	7,900	12J3P	U	Middle Canyon	8	4S	3W	7,000	10J41ap	U	Atwood Lake	13	4N	4W	10,500
10G7	W	CCC Camp x	9	29N	118W	7,500	11J44	U	Mill Creek	32	1S	3E	7,500	10J30PST	U	Brown Duck Ridge	8	2N	6W	10,800
10J36p	W	Gold Hill	11	1N	9E	10,000	12J1P	U	Mill D South Fork	18	2S	3E	8,900	11J32MPST	U	Chepo-Whitlocks Lakes	3	1S	17E	10,300
10G12	W	Hayden Fork	25	1N	9E	9,400	12J1P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900	11J32MPST	U	Curant Creek	31	1S	10W	7,800
10G17S	W	Kelly Ranch Station	13	26N	118W	8,200	11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725	11J32MPST	U	Daniels-Strawberry Summit	20	2S	12W	8,000
10J35p	W	Labarge Guard Station x	7	30N	116W	9,000	11J42	U	Snow Bird (Gad Valley)	18	3S	3E	10,000	11J7P	U	East Portal	36	7S	6E	7,560
10J35p	W	Liby Lake	34	2N	10E	9,300	12K1PST	U	Vernon Creek	21	10S	5W	7,500	10J26p	U	Five Point Lake	28	4N	5W	11,000
10H12PST	U	Monte Crillo R.S.	4	8N	4E	8,860			UPPER SEVIER RIVER (South of Richfield, Utah)					10K11PST	U	Indian Canyon	2	11S	0E	9,100
10G10	W	Piney Labarge x	19	29N	114W	8,820	12L4PST	U	Box Creek	33	26S	2W	9,800	10J11P	U	Jackson Park	23	3N	4W	11,300
10G10	W	Salt Lake Summit x	29	30N	118W	8,500	12M8	U	Byce Canyon	36	36S	4W	8,000	10J11P	U	Kanney Lake	28	3N	3W	11,000
10G8P	W	Salt Lake Summit x	12	29N	118W	7,400	12M4P	U	Costle Valley	23	36S	8W	9,700	10J25p	U	Lake Basin	33	3S	9W	10,800
10G13MP	W	Salt Lake Basin	12	29N	115W	7,400	12M4P	U	Duck Creek R.S.	11	38S	8W	8,700	10J25p	U	Lake Basin	33	3S	9W	10,800
10J17P	U	Stillwater Camp	32	2N	10E	8,550	12M18	U	Harris Flat	32	37S	4W	8,200	10J25p	U	Lakefork Mountain #2	28	2N	4W	8,900

LOWER BEAR RIVER (below Harer, Idaho)

11H27apST	U	Big Lake	18	11N	5E	7,950	12L6P	U	High Top Mountain	24	38S	1E	7,700	10J11P	U	Lakefork Mountain #2	28	2N	4W	8,900
11H31	U	Brigadoos	27	13S	41E	8,400	11L9P	U	Klamath Valley	11	27S	5W	9,300	10J11P	U	Lakefork Mountain #3	29	2N	4W	8,900
11H38p	U	Cinnamon Ranch	5	8N	3E	7,300	12M2MPST	U	Midway Valley	26	37S	9W	9,800	10J29ap	U	Lightning Lake	24	4N	8W	10,100
12H1P	U	Clarkston Mountain	29	14N	2W	6,300	12M7P	U	Pongutich Lake	4 & 5	36S	7W	8,200	9J15PST	U	Mosby Mountain	27	2S	18E	9,500
11G14a	U	Cub River Ranger Station	5	15S	41E	7,900	12M9P	U	Rainbow Point	29	38S	4W	9,100	10J18P	U	Paradise Park	7	3N	1E	10,100
11G14a	U	Dry Basin	30	13S	42E	7,900	12L5	U	Snow Springs	3	27S	2W	9,300	10J32P	U	Rock Creek	21	2N	7W	7,900
11G14a	U	Dry Creek Flat	31	13S	37E	6,350	11M4p	U	Wildrose R.S.	22	34S	2W	7,600	11J83P	U	Strawberry Divide	34 & 35	7S	6E	8,000
11G6	U	Emigrant Summit	21	12S	42E	7,350			LOWER SEVIER RIVER (Including San Pitch River)					11J35P	U	West Fork of the Duchesne	22	1N	19E	10,250
11G7	U	Emigration Canyon (mouth)	24	12S	42E	6,500	11K13P	U	Beaver Dam	27	19S	3E	8,000			PRICE RIVER				
11G8MPST	U	Franklin Basin	1	16S	41E	8,000	11L1PST	U	Farnsworth Lake	27 & 33	23S	2E	9,900			Corral	32	13S	14E	8,200
11H7MP	U	Garden City Summit	34 & 35	14N	4E	7,600	11K11P	U	G. B. R.C. Headquarters	21	17S	4E	8,700	10K5M	U	Dry Valley Divide	20	12S	8E	7,800
11H4PST	U	George Peak	4	13N	4W	7,000	11K10P	U	G. B. R.C. Meadows	26 & 27	17S	4E	10,000	10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11H35p	U	Herd Flat	3	13S	42E	7,000	11L2PST	U	Gooseberry R.S.	22	23S	5E	8,400	11K33MP	U	Jones Ranch	32	12S	7E	7,600
11G15p	U	Klamath Narrows	30	14N	3E	7,400	11K3MPST	U	Manmoth R.S.-Cottonwood Creek	13	13S	5E	8,800	10K6	U	Lead Creek	4	14S	7E	8,300
11G13	U	Liberty Springs	7	13S	42E	8,240	11K34	U	Middle Fork	16	18S	4E	9,600	10K6	U	Lead Creek	4	14S	7E	8,300
11H26	U	Little Bear (lower)	15	8N	1E	6,000	12K12P	U	Mr. Baldy R.S.	19	19S	4E	9,500	11K24	U	White River #1	28	13S	13E	9,100
11H25PST	U	Little Bear (upper)	22	8N	1E	6,550	12K12P	U	Pick Keg Springs	4	21S	3W	7,760	11K25	U	White River #3	30	10S	8E	8,560
12G3	U	Oxford Mountain	32	13S	37E	6,800	12L1PST	U	Pick Keg Springs	4	21S	3W	7,760	11K25	U	White River #3	30	10S	8E	8,560
11H27	U	Slug Creek Divide	15	10S	44E	7,225	11K36	U	Rees's Flat	24	22S	4W	8,700			SAN RAFAEL RIVER				
11H27	U	Steep Hollow #1	7	14N	3E	8,500	12L11P	U	Shingle Mill	20	15S	2E	7,300	11K31PST	U	Buck Flat	23	19S	5E	9,000
11H28	U	Steep Hollow #2	9	14N	3E	7,700	11K35	U	Thistle Flat	23	18S	3E	8,500	11K4P	U	Gooseberry Reservoir	23	19S	5E	9,000
11G9	U	Strawberry Creek	9	13S	41E	5,800			BEAVER RIVER					11K5	U	Huntington-Horseshoe	13	14S	5E	8,700
11H35p	U	Strawberry Mink Divide	14	13S	3E	7,800	12L13	U	Beaver Race Track	23	29S	7W	6,020	11K40P	U	Orange Olsen	31	17S	6E	7,900
11H36P	U	Tony Grove Lake	13	13N	3E	7,800	12L7PST	U	Big Flat	18	29S	4W	10,290	11K28PST	U	Red Pine Ridge	5	16S	6E	9,400
11H34P	U	Willow Flat	11	13N	3E	6,250	12L9PST	U	Merchant's Valley (upper)	8 & 9	29S	5W	8,300	11K38	U	Rush Pond	24	19S	4E	9,800
11G4P	U	Willow Flat	2	13S	41E	6,100	12L8	U	Other Lake	1	29S	5W	9,300	11K9PST	U	Seelye Creek	25	17S	4E	10,000

OGDEN RIVER

11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150	12M16	U	Birch Crossing	23	35S	9W	8,100	11L4P	U	Black's Flat-U.J.M. Creek	33	24S	3E	9,250
11H8PST	U	Ben Lomond Peak	1	7N	1W	6,000	12M14	U	Brion Head	10	36S	9W	10,000	11L5	U	Donkey Reservoir	9	30S	4E	9,800
11H35p	U	Chalk Creek (lower)	1	7N	1W	6,000	12M12	U	Ed Ward Flat	17	35S	9W	8,300	11L3P	U	Fish Lake	35	26S	1E	8,700
11H35p	U	Cosner Dam	34	7N	3E	5,780	12M15P	U	Tail Poles	26 & 35	35S	9W	8,800	11L6	U	Johnson Valley	24	25S	2E	8,850
11H29	U	Cutler Creek	3	7N	1W	6,500	12M11P	U	Yankee Reservoir	20	35S	8W	8,700			SOUTHEASTERN UTAH DRAINAGES				
11H13MPST	U	Dry Bread Pond	19	6N	4E	8,230			PAROWAN CREEK					9M1P	U	Buckboard Flat	36	33S	22E	9,000
11H34p	U	Gullder's Peak	21	6N	4E	8,050			Birch Crossing	23	35S	9W	8,100	9M2P	U	Camp Jackson	22	34S	22E	8,600
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420			Ed Ward Flat	10	36S	9W	10,000	9L1	U	LaSal Mountain	5	27S	24E	9,400
11H45p	U	Powder Mountain Hikeaway	6	7N	2E	8,250			Yankee Reservoir	20	35S	8W	8,700	9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400
11H49	U	Powder Mountain Sndown	7	7N	1E	8,400			ENTERPRISE TO NEW HARMONY DRAINAGES					9M3	U	Monticello Park	25	33S	23E	7,050
11H48	U	Sagebrush Flat	1	7N	1E	8,400	13M4MP	U	Little Grassy Creek	15	38S	17W	6,100			ESCALANTE RIVER				
11H5P	U	Sagebrush Flat	21	7N	3E	6,300	13M2MPST	U	Long Flat	2	38S	14W	8,000	11M1	U	Wildrose-Escalante Summit	22	34S	1W	9,500

WEBER RIVER

11J24	U	Beaver Creek R. S.	28	2S	7E	7,500			COAL CREEK					11M2PST	U	Wildrose-Escalante #3	22	34S	1W	9,500
11J1PST	U	Chalk Creek #1	4	1N	8E	9,100			Cedar City Golf Course	11	36S	11W	5,800	11M3PST	U	Wildrose-Escalante #3	22	34S	1W	9,500
11J2MPST	U	Chalk Creek #2	29	2N	8E	8,200	12M17	U	SUSC Ranch	18	37S	9W	8,200			VIRGIN RIVER				
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500			Upper Green River IN UTAH (above Duchesne River)					13H2a	U	Clear Creek Meadows	26	14N	14W	9,050
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950			Ashley Twin Lakes	20	1S	19E	10,500	13H4P	U	George Peak	4	13N	4W	9,000
11J11PST	U	Farmington Canyon (upper)	26	3N	1E	8,000			Black's Fork-Junction	23	2N	12E	8,200	13H1	U	One Mile Summit	19	14N	17W	7,670
11J44p	U	Francis Canyon	29	3N	6E	7,400	10J23a	U	Buck Pasture	14	1N	11E	9,700			LEGEND				
11J27a	U	Horseshoe	16	6N	4E	8,260	9J13P	U	Grizzly Ridge	8	1S	22E	8,500			Numbering System (examples)				
11H21PST	U	Kiffail Creek	20	6N	5E	7,300	10J24ap	U	Henry's Fork	29	2N	14E	10,000	10J7	U	Snow Course Only				
11H31P	U	Lost Creek	27	6N	5E	6,125	9J8P	U	Hewinfo G.S.	33	33S	13E	9,500	10J7a	U	Snow Course and Precipitation Gage				
11H32P	U	Park City Summit	20	2S	4E	9,300	10J4P	U	Hickerson Park	24	2N	17E	9,100	10J7a	U	Snow Course and Precipitation Gage				
11J43	U	Parley's Canyon Summit	5	1S	3E	7,500	9J15p	U	Highline Trail	23	1N	19E	10,250	10J7b	U	Snow Course and Precipitation Gage				
11H50	U	Pine Canyon	6	3N	4E	8,000	10J1	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300	10J7b	U	Snow Course and Precipitation Gage				
11J38p	U	Parcupine	22	3N	7E	8,100	10J3P	U	King's Cabin (lower)	15	21E	16E	8,400	10J7b	U	Snow Course and Precipitation Gage				
11J38p	U	Redden Mine (lower)	1	2S	6E	8,500	10J3P	U	King's Cabin (upper)	26	1N	17E	10,480	10J7b	U	Snow Course and Precipitation Gage				
11J39p	U	Shigtema	17	1S	5E	8,000	9													



# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
FEDERAL BLDG., - ROOM 4012  
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with the Snow Survey"*